Atty. Dkt. No. 051583-0289



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Kang et al.

Title:

LAYERED CATHODE

MATERIALS FOR LITHIUM ION RECHARGEABLE BATTERIES

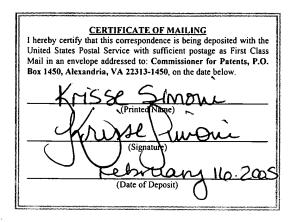
Appl. No.:

10/699,484

Filing Date: 10/31/2003

Examiner:

Art Unit:



## INFORMATION DISCLOSURE STATEMENT <u>UNDER 37 CFR §1.56</u>

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR  $\S1.56(b)$ . Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a prima facie art reference against the claims of the present application.

Atty. Dkt. No. 051583-0289

## TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

## **RELEVANCE OF EACH DOCUMENT**

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 06-1450. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 06-1450.

Respectfully submitted,

Matthew E. Martin

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Date 2-16-05

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MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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	Substitute fo	r form 1449B	PTO & THAU	Complete if Known			
	INFORMATION	ON DISCLO	SURE	Application Number	10/699,484		
	STATEMEN'	T BY APPLI	CANT	Filing Date	10/31/2003		
	Date Submitted	t: Echruani	16 2005	First Named Inventor	Sun-Ho Kang		
	Date Submitted	a. Pebluary	10, 2005	Group Art Unit			
	(use as many s	heets as ne	cessary)	Examiner Name			
Sheet	1	of	2	Attorney Docket Number	051583-0289		

	U.S. PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent D	Document		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
		Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document					
	A1	6,677,082	B2	Thackeray et al.	01-13-2004				
	A2	6,680,143	B2	Thackeray et al.	01-20-2004				
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	FOREIGN PATENT DOCUMENTS										
Examiner Initials*	Cite No. <sup>1</sup>	For Office <sup>3</sup>	eign Patent D Number <sup>4</sup>	Oocument Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>			
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Examiner Signature	Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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	Substitute for f	orm 1449B	PTO TRADEN	Complete if Known			
	INFORMATION	N DISCLO	SURE	Application Number	10/699,484		
	STATEMENT I	BY APPLI	CANT	Filing Date	10/31/2003		
	Date Submitted:	February :	16 2005	First Named Inventor	Sun-Ho Kang		
	Date Submitted.	Colualy	10, 2003	Group Art Unit			
	(use as many she	ets as ne	cessary)	Examiner Name			
Sheet	2	of	2	Attorney Docket Number	051583-0289		

	NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>					
	A3	OHZUKU ET AL., "Layered Lithium Insertion Material of LiNi <sub>1/2</sub> Mn <sub>1/2</sub> O <sub>2</sub> : A Possible Alternative to LiCoO <sub>2</sub> for Advanced Lithium-Ion Batteries", Chemistry Letters, 2001, pp. 744-745, The Chemical Society of Japan						
	A4	LU ET AL., "Layered Cathode Materials Li[Ni <sub>x</sub> Li <sub>(1/3-2x/3)</sub> Mn <sub>(2/3-x/3)</sub> ]O <sub>2</sub> for Lithium-Ion Batteries," Electrochemical and Solid-State Letters, 2001, pp. A191-A194, Vol. 4 (11), The Electrochemical Society, Inc.						
	A5	LU ET AL., "Understanding the Anomalous Capacity of Li/Li[Ni <sub>x</sub> Li <sub>(1/3-2x/3)</sub> Mn <sub>(2/3-x/3)</sub> ]O <sub>2</sub> Cells Using In Situ X-Ray Diffraction and Electrochemical Studies", Journal of The Electrochemical Society, 2002, pp. A815-A822, Vol. 149 (7), The Electrochemical Society, Inc.						
	A6	KIM ET AL., "Layered xLiMO <sub>2*</sub> (1-x)Li <sub>2</sub> M'O <sub>3</sub> Electrodes for Lithium Batteries: A Study of 0.95LiMn <sub>0.5</sub> O <sub>2*</sub> 0.05Li <sub>2</sub> TiO <sub>3</sub> ", Elsevier Science B.V., 2002, pp. 205-209, Vol. 4, Electrochemistry Communications						

Examiner Signature	Date Considered	

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